

IN THE CLAIMS

Claims 1-24. (Canceled)

Claim 25. (Currently Amended) A 360-degree toothbrush comprising:

a brush handle;

and a radial brush head in a cylindrical shape, constituted by superposing a plurality of disc shaped radial vanes arranged in the axial direction and fixed to ~~according to claim 19,~~ at a tip portion of the handle of the toothbrush,

wherein the disc shaped radial vanes each comprises:

a disk-shape portion,

a through hole formed at a center part of the disk-shaped portion, through which a tip portion of a handle of the toothbrush penetrates;

a weld portion in an annular shape provide around the through hole; and

a plurality of bristle members extending outward from the weld portion in a radial direction of the disk-shape.

Claim 26. (Currently Amended) The 360-degree toothbrush according to claim 25, wherein the weld portion includes [a] first and second surfaces ~~surface~~ and a protrusion is formed on at least one of the first and second surfaces.

Claim 27. (Previously presented) The 360-degree toothbrush according to claim 26, wherein the protrusion is an annular protrusion continuing in a circumferential direction.

28. (Previously presented) The 360-degree toothbrush according to claim 26, wherein the protrusion is formed as a group of protrusions formed interspatially along a circumferential direction.

Claim 29. (Previously presented) The 360-degree toothbrush according to claim 25, wherein the plurality of radial vanes that constitute the radial brush head include at least one hard radial vane having bristles of a large diameter and at least one soft radial vane having bristles of a small diameter mixed therein.

Claim 30. (Previously presented) The 360-degree toothbrush according to claim 25, wherein the plurality of radial vanes that constitute the radial brush head include at least one radial vane of a large diameter having a long bristle length at a brush portion and at least one radial vane of a small diameter having a short bristle length at the brush portion mixed therein.

Claims 31-41. (Cancelled).